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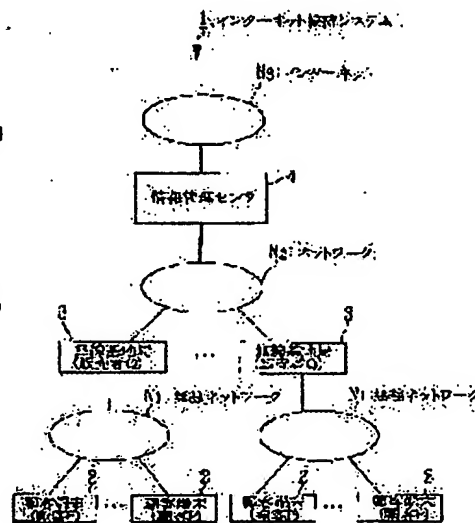
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## (54) METHOD AND SYSTEM FOR PROVIDING ENVIRONMENT FOR CONNECTION TO INTERNET, AND RECORDING MEDIUM FOR RECORDING PROGRAM USING THE METHOD

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To enable a user to easily receive the internet connection service for free of charge even if one is not at home and to enable a vendor to not only increase the chance of his supplying advertisement of his commodities to the user to enhance opportunity to enhance his desire to purchase but also to obtain customer information.

**SOLUTION:** A system is provided with user terminals 2, by which users receive service information via a radio network N1 and which are connected to an internet N3, radio base stations 3 connected to user terminals 2 via the radio network N1, and an information management center 4 which are connected to radio base stations 3 via a network N2 and provides user terminals 2 with the service for connection to the internet N3, in accordance with requests issued from user terminals 2 via radio base stations 3 and manages customer information and vendor information. The information management center frees users from a portion charged to them of the charge for the internet connection under prescribed conditions.



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CLAIMS

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## [Claim(s)]

[Claim 1] The transmitting step which transmits the service information which a operating company deals with from a base transceiver station to a movable consumer premises equipment through a wireless network, The receiving step which receives said service information of a operating company by said consumer premises equipment through said wireless network, The Internet connectivity step which connects said consumer premises equipment to the Internet through said wireless network according to the demand from said consumer premises equipment through said base transceiver station, It has the connection-fees calculation step which computes the connection fees to said Internet of said consumer premises equipment. At said connection-fees calculation step How to offer the environment linked to the Internet characterized by computing a part or all of connection fees to said Internet as said operating company's paid part.

[Claim 2] At said connection-fees calculation step, when the connect time to the communication link amount of data or said Internet at the time of accessing said Internet is below a predetermined upper limit All of said connection fees are computed as said operating company's paid part. Said upper limit of said communication link amount of data or said connect time How to offer the environment linked to the Internet according to claim 1 characterized by what it opts for based on purchase information including the purchase hysteresis in said operating company of said customer.

[Claim 3] How to offer the environment linked to the Internet according to claim 1 or 2 characterized by having the communications-executive step which supervises the connect time to said amount of data or said Internet at the time of said consumer premises equipment accessing said Internet, and judges the propriety of continuation of connection based on said communication link amount of data or said connect time, and said purchase information of said customer.

[Claim 4] It is the approach of offering the environment linked to the Internet according to claim 3 characterized by giving advice of the purport that it is continuable under predetermined conditions, to said consumer premises equipment before predetermined time rather than connection termination schedule time of day while becoming connection termination after predetermined time, when it is judged at said communications-executive step that continuation of connection is impossible.

[Claim 5] How to offer the environment linked to the Internet according to claim 1, 2, 3, or 4 characterized by transmitting the service information of other operating companies other than the operating company as an owner of said base transceiver station to said consumer premises equipment at said transmitting step.

[Claim 6] The movable consumer premises equipment used in order for a customer to receive the service information which a operating company deals with through a wireless network and to access the Internet through said wireless network, The base transceiver station which is used in order that said operating company may transmit said service information to said customer, and is connected to said wireless network, An Internet connectivity means to be connected with said base transceiver station through a network, and to connect said consumer premises equipment and said Internet according to the demand from said consumer premises equipment through said base transceiver station, It has a connection-fees

calculation means to compute the connection fees to said Internet of said consumer premises equipment. Said connection-fees calculation means The system which offers the environment linked to the Internet characterized by computing a part or all of connection fees to said Internet as said operating company's paid part.

[Claim 7] When the connect time to the communication link amount of data or said Internet at the time of accessing said Internet is below a predetermined upper limit, said connection-fees calculation means All of said connection fees are computed as said operating company's paid part. Said upper limit of said communication link amount of data or said connect time The system which offers the environment linked to the Internet according to claim 6 characterized by what it opts for based on purchase information including the purchase hysteresis in said operating company of said customer.

[Claim 8] Said connection-fees calculation means is a system which offers the environment linked to the Internet according to claim 6 characterized by computing based on purchase information including purchase hysteresis [ in / for a paid part of said customer of said connection fees / said operating company of said customer ] when the connection service to said Internet is offered to said customer.

[Claim 9] Said connection-fees calculation means is a system which offers the environment linked to the Internet according to claim 7 or 8 characterized by computing said connection fees based on the connect time to the communication link amount of data or said Internet at the time of accessing said Internet.

[Claim 10] Said connection-fees calculation means is a system which offers the environment linked to the Internet according to claim 6, 7, 8, or 9 characterized by computing the communication link tariff concerning the communication link between said consumer premises equipment and said connection-fees calculation means, and computing said communication link tariff as said operating company's paid part.

[Claim 11] Said consumer premises equipment is a system which offers the environment linked to the Internet according to claim 6, 7, 8, 9, or 10 characterized by choosing whether said service information transmitted is received based on the setting-out actuation by said customer.

[Claim 12] Or it connected with said base transceiver station through the network and received, while generating said service information based on said customer information memorized beforehand and transmitting said service information to said consumer premises equipment A demand is accepted from said consumer premises equipment. Under predetermined conditions The system which offers the environment linked to the Internet according to claim 6, 7, 8, 9, 10, or 11 characterized by having a communications control means to transmit the connection control signal for connecting said consumer premises equipment to said Internet to said Internet connectivity means.

[Claim 13] Said communications control means is a system which offers the environment linked to the Internet according to claim 12 characterized by generating said service information based on said customer information and content of a demand from said operating company.

[Claim 14] Said base transceiver station is a system which offers the environment linked to the Internet according to claim 6, 7, 8, 9, 10, 11, 12, or 13 characterized by generating said service information based on the customer information received from said consumer premises equipment, and transmitting to said consumer premises equipment.

[Claim 15] The system which offers the environment linked to the Internet according to claim 7, 9, 10, 11, 12, 13, or 14 characterized by having a communications-executive means to supervise the connect time to said amount of data or said Internet at the time of said consumer premises equipment accessing said Internet, and to judge the propriety of continuation of connection based on said communication link amount of data or said connect time, and said purchase information of said customer.

[Claim 16] It is the system which offers the environment linked to the Internet according to claim 15 characterized by giving advice of the purport which serves as connection termination after predetermined time to said consumer premises equipment before predetermined time rather than connection termination schedule time of day when that said communications-executive means is [ of connection ] uncontinuable is judged.

[Claim 17] It is the system which offers the environment linked to the Internet according to claim 16 characterized by giving advice of the purport that it is continuable under predetermined conditions, to

said consumer premises equipment before predetermined time rather than connection termination schedule time of day while becoming connection termination after predetermined time, when that said communications-executive means is [ of connection ] uncontinuable is judged.

[Claim 18] Said communications-executive means is a system which offers the environment linked to the Internet according to claim 17 characterized by transmitting the content of said predetermined conditions, and the demand signal which checks said customer's continuation intention to said consumer premises equipment, and judging propriety of continuation of connection based on the content of answerback from said consumer premises equipment.

[Claim 19] Said base transceiver station is a system which offers the environment linked to the Internet claim 6 characterized by transmitting the service information of other operating companies other than the operating company as an owner to said consumer premises equipment thru/or given [ of 18 ] in any 1 term.

[Claim 20] A operating company besides the above is a system which offers the environment linked to the Internet according to claim 18 characterized by not owning said base transceiver station connected to said wireless network.

[Claim 21] the system which offers the environment linked to the Internet claim 6 which said base transceiver station has a storage means memorize the predetermined information received through channels other than a dedicated line, carries out reading appearance of said predetermined information memorized by said storage means if needed, and is characterized by to transmit to said consumer premises equipment thru/or given [ of 20 ] in any 1 term.

[Claim 22] The transmitting step which transmits the service information which a operating company deals with from a base transceiver station to a movable consumer premises equipment through a wireless network, The receiving step which receives said service information of a operating company by said consumer premises equipment through said wireless network, The Internet connectivity step which connects said consumer premises equipment to the Internet through said wireless network according to the demand from said consumer premises equipment through said base transceiver station, The program for making a computer perform the connection-fees calculation step which computes the connection fees to said Internet of said consumer premises equipment is recorded. At said connection-fees calculation step The record medium which records the program for realizing the approach of offering the environment linked to the Internet characterized by computing a part or all of connection fees to said Internet as said operating company's paid part.

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## DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention relates to the record medium which records the program for realizing this approach on the method of offering the environment linked to the Internet connectable with the Internet for example, out of a house and a system, and a list.

[0002]

[Description of the Prior Art] Recently, the opportunity for it to connect with a network and for a going-out place to also perform data communication by the spread of mobile computing devices etc. has also been increasing. In order to connect with networks, such as the Internet, out of a house, it will connect with the access point of the Internet Service Provider (henceforth ISP) which is the member using a public line etc. In this case, it works by stopping in a certain specific location in many cases. For example, in the case of migration on foot, the public telephone in the plot of near a store or a store and the public telephone of a yard are used, and if it is under migration by automobile, under oiling of the motor pool in a store or a gas station etc. has many specific stores in near. On the other hand, supply of the advertising information which used the computer system also comes to be performed widely, and also in the electronic commerce using networks, such as the Internet which is spreading quickly, a customer accesses a vender's homepage, peruses the advertising information on the goods, and purchases goods in recent years (reference, such as JP,11-250155,A). Therefore, it is also possible to get interested, while a customer moves and the homepage is perused, and to try access in search of the homepage of a nearby store.

[0003]

[Problem(s) to be Solved by the Invention] However, beforehand, when ordinary customers connect with the access point of ISP at a going-out place using a public line etc., if the ISP is not joined as a member, it cannot use. In this case, of course about utilization of a public telephone or a cellular phone, it is a charge. Moreover, though the person who visited Japan has joined ISP from overseas, for example, the U.S., in order to have not joined ISP in Japan, therefore to access the Internet in Japan, it is necessary to connect with ISP which he has joined in the U.S. using an international call, and takes cost and time and effort. Thus, anyone can access the Internet easily at a going-out place, and there is a problem that costs will also increase. Moreover, though the customer who carried the information terminal connectable with the Internet has come to the store to a vender's store as mentioned above, if I have a homepage perused, an opportunity to promote a sale will be missed helplessly.

[0004] This invention is what was made in view of the above-mentioned situation. For a customer. Even if it is outside a metaphor house, it is no charge or an Internet access service can be received cheaply and easily. For a vender While increasing an opportunity to supply the advertisement of own goods to a customer It aims at offering the record medium which records the program for realizing this approach on the method of offering the environment linked to the Internet which can be made to be able to increase a customer's attractiveness to consumers, and can acquire customer information and a system, and a list.

[0005]

[Means for Solving the Problem] In order to solve the above-mentioned technical problem, the approach of offering the environment linked to the Internet concerning invention according to claim 1 The transmitting step which transmits the service information which a operating company deals with from a base transceiver station to a movable consumer premises equipment through a wireless network, The receiving step which receives said service information of a operating company by said consumer premises equipment through said wireless network, The Internet connectivity step which connects said consumer premises equipment to the Internet through said wireless network according to the demand from said consumer premises equipment through said base transceiver station. It has the connection-fees calculation step which computes the connection fees to said Internet of said consumer premises equipment, and is characterized by computing a part or all of connection fees to said Internet as said operating company's paid part at said connection-fees calculation step.]

103 [0006] Invention according to claim 2 is the approach of offering the environment linked to the Internet according to claim 1. Moreover, at said connection-fees calculation step When the connect time to the communication link amount of data or said Internet at the time of accessing said Internet is below a predetermined upper limit All of said connection fees are computed as said operating company's paid part, and said upper limit of said communication link amount of data or said connect time is characterized by what it opts for based on purchase information including the purchase hysteresis in said operating company of said customer. |

[0007] Moreover, invention according to claim 3 is the approach of offering the environment linked to the Internet according to claim 1 or 2, supervises the connect time to said amount of data or said Internet at the time of said consumer premises equipment accessing said Internet, and is characterized by having the communications-executive step which judges the propriety of continuation of connection based on said communication link amount of data or said connect time, and said purchase information of said customer.

[0008] Moreover, invention according to claim 4 is the approach of offering the environment linked to the Internet according to claim 3, and at said communications-executive step, it is characterized by giving advice of the purport that it is continuable under predetermined conditions, to said consumer premises equipment before predetermined time rather than connection termination schedule time of day while it serves as connection termination after predetermined time, when it is judged that continuation of connection is impossible.

[0009] Moreover, invention according to claim 5 is the approach of offering the environment linked to the Internet according to claim 1, 2, 3, or 4, and is characterized by transmitting the service information of other operating companies other than the operating company as an owner of said base transceiver station to said consumer premises equipment at said transmitting step.

[0010] Moreover, the system which offers the environment linked to the Internet concerning invention according to claim 6 The movable consumer premises equipment used in order for a customer to receive the service information which a operating company deals with through a wireless network and to access the Internet through said wireless network, The base transceiver station which is used in order that said operating company may transmit said service information to said customer, and is connected to said wireless network, An Internet connectivity means to be connected with said base transceiver station through a network, and to connect said consumer premises equipment and said Internet according to the demand from said consumer premises equipment through said base transceiver station, It has a connection-fees calculation means to compute the connection fees to said Internet of said consumer premises equipment, and said connection-fees calculation means is characterized by computing a part or all of connection fees to said Internet as said operating company's paid part.)

[0011] Invention according to claim 7 is a system which offers the environment linked to the Internet according to claim 6. Moreover, said connection-fees calculation means When the connect time to the communication link amount of data or said Internet at the time of accessing said Internet is below a predetermined upper limit All of said connection fees are computed as said operating company's paid part, and said upper limit of said communication link amount of data or said connect time is characterized by what it opts for based on purchase information including the purchase hysteresis in said

operating company of said customer.

[0012] Moreover, invention according to claim 8 is a system which offers the environment linked to the Internet according to claim 6, and said connection-fees calculation means is characterized by computing based on purchase information including purchase hysteresis [ in / for a paid part of said customer of said connection fees / said operating company of said customer ], when the connection service to said Internet is offered to said customer.

[0013] Moreover, invention according to claim 9 is a system which offers the environment linked to the Internet according to claim 7 or 8, and the golden calculation means is characterized by computing said connection fees based on the connect time to the communication link amount of data or said Internet at the time of accessing said Internet.

[0014] Moreover, invention according to claim 10 is a system which offers the environment linked to the Internet according to claim 6, 7, 8, or 9, and said connection-fees calculation means is characterized by computing the communication link tariff concerning the communication link between said consumer premises equipment and said connection-fees calculation means, and computing said communication link tariff as said operating company's paid part.

[0015] Moreover, invention according to claim 11 is a system which offers the environment linked to the Internet according to claim 6, 7, 8, 9, or 10, and is characterized by choosing whether said consumer premises equipment receives said service information transmitted based on the setting-out actuation by said customer.

[0016] Moreover, invention according to claim 12 is a system which offers the environment linked to the Internet according to claim 6, 7, 8, 9, 10, or 11. Or it connected with said base transceiver station through the network and received, while generating said service information based on said customer information memorized beforehand and transmitting said service information to said consumer premises equipment. It is characterized by equipping the bottom of predetermined conditions with a communications control means to transmit the connection control signal for connecting said consumer premises equipment to said Internet to said Internet connectivity means, according to the demand from said consumer premises equipment.

[0017] Moreover, invention according to claim 13 is a system which offers the environment linked to the Internet according to claim 12, and said communications control means is characterized by generating said service information based on said customer information and content of a demand from said operating company.

[0018] Moreover, invention according to claim 14 is a system which offers the environment linked to the Internet according to claim 6, 7, 8, 9, 10, 11, 12, or 13, and said base transceiver station generates said service information based on the customer information received from said consumer premises equipment, and is characterized by transmitting to said consumer premises equipment.

[0019] Moreover, invention according to claim 15 is a system which offers the environment linked to the Internet according to claim 7, 9, 10, 11, 12, 13, or 14. The connect time to said amount of data or said Internet at the time of said consumer premises equipment accessing said Internet is supervised. Said communication link amount of data or said connect time, It is characterized by having a communications-executive means to judge the propriety of continuation of connection, based on said purchase information of said customer.

[0020] Moreover, invention according to claim 16 is a system which offers the environment linked to the Internet according to claim 15, and when that said communications-executive means is [ of connection ] uncontinuable is judged, it is characterized by giving advice of the purport which serves as connection termination after predetermined time to said consumer premises equipment before predetermined time rather than connection termination schedule time of day.

[0021] Moreover, invention according to claim 17 is a system which offers the environment linked to the Internet according to claim 16, and when that said communications-executive means is [ of connection ] uncontinuable is judged, while becoming connection termination after predetermined time, it is characterized by giving advice of the purport that it is continuable under predetermined conditions, to said consumer premises equipment before predetermined time rather than connection termination



schedule time of day.

[0022] Moreover, invention according to claim 18 is a system which offers the environment linked to the Internet according to claim 17, and said communications-executive means transmits the content of said predetermined conditions, and the demand signal which checks said customer's continuation intention to said consumer premises equipment, and is characterized by judging propriety of continuation of connection based on the content of answerback from said consumer premises equipment.

[0023] Moreover, invention according to claim 19 is a system which offers the environment linked to the Internet claim 6 thru/or given [ of 18 ] in any 1 term, and said base transceiver station is characterized by transmitting the service information of other operating companies other than the operating company as an owner to said consumer premises equipment.

[0024] Moreover, invention according to claim 20 is a system which offers the environment linked to the Internet according to claim 18, and the operating company besides the above is characterized by not owning said base transceiver station connected to said wireless network.

[0025] Moreover, invention of claim 21 \*\* is a system which offers the environment linked to the Internet claim 6 thru/or given [ of 20 ] in any 1 term, and said base transceiver station is characterized by to have a storage means memorize the predetermined information received through channels other than a dedicated line, to read said predetermined information memorized by said storage means if needed, and to transmit to said consumer premises equipment.

[0026] Moreover, the record medium which records the program for realizing the approach of offering the environment linked to the Internet concerning invention of claim 22 \*\* The transmitting step which transmits the service information which a operating company deals with from a base transceiver station to a movable consumer premises equipment through a wireless network, The receiving step which receives said service information of a operating company by said consumer premises equipment through said wireless network, The Internet connectivity step which connects said consumer premises equipment to the Internet through said wireless network according to the demand from said consumer premises equipment through said base transceiver station, The program for making a computer perform the connection-fees calculation step which computes the connection fees to said Internet of said consumer premises equipment is recorded. At said connection-fees calculation step, It is characterized by computing a part or all of connection fees to said Internet as said operating company's paid part.]

[0027]

[Embodiment of the Invention] Hereafter, the gestalt of implementation of this invention is explained with reference to a drawing. Explanation is concretely given using an example.

◇ Drawing and drawing 2 which show the Internet connectivity structure of a system whose 1st example drawing 1 is the 1st example of this invention The block diagram and drawing 3 which show the configuration of the consumer premises equipment of this Internet connectivity system The block diagram and drawing 4 which show the configuration of the base transceiver station of this Internet connectivity system The block diagram and drawing 5 which show the configuration of the information management center of this Internet connectivity system The block diagram, drawing 6, and drawing 7 which show the configuration of each server of the server for venders of this base transceiver station and a sympathy news management center The explanatory view, drawing 8, or drawing 20 for explaining this Internet connectivity structure of a system The flow chart for explaining how to offer the environment linked to the Internet using this Internet connectivity system, and drawing 21 Drawing showing the example of the vender information for which drawing showing the example of setting out about the information transmitted to the customer saved at the server for the said venders and drawing 22 are saved at the customer management server of a sympathy news management center, and drawing 23 are drawings showing the example of the customer information saved at this customer management server. The Internet connectivity system (system which offers the environment linked to the Internet) 1 of this example As shown in drawing 1, Customer P Vender's Q service information Bluetooth, The movable consumer premises equipments 2 and 2 used in order to receive through radiocommunication using DSRC, and the wireless network N1 by other wireless and to access the Internet N3 through the



wireless network N1, and --, The base transceiver stations 3 and 3 and -- which are installed in Vender's (operating company) Q store plot, are used in order that Vender Q may transmit the service information on own to Customer P, and are connected with consumer premises equipments 2 and 2 and -- through the wireless network N1. It connects with base transceiver stations 3 and 3 and -- through the network N2 which consists of a channel which can secure security, such as VPN built on a public line, a dedicated line, or the Internet. While providing consumer premises equipments 2 and 2 and -- with a connection service with the Internet N3 according to base transceiver stations 3 and 3, the consumer premises equipments 2 and 2 through --, and the demand from --, it has the information management center 4 which manages customer information and vender information.

[0028] A consumer premises equipment 2 The car navigation, the cellular phone which can radiocommunicate, respectively, CPU21 which are information processors, such as a radio communication equipment (for example, ETC mount machine) and a personal computer, and controls each part of a configuration according to a predetermined control program, RAM23 as activity area of ROM22 and CPU21 in which the control program which CPU21 performs was stored, With the Radio Communications Department 24 for performing the base transceiver station 3 and data communication which were connected to the wireless network N1 For example, the keyboard 25 for keying data required for a communication link, It consists of a CRT display and has the pointing device 26, and the display 27 which displays advertising information etc., the hard disk store 28 with which various processing programs, such as predetermined data and a browser, were stored and the magneto-optic-disk store 29. Through the Radio Communications Department 24, CPU21 performs transmission and reception of a base transceiver station 3, the information management pin center, large 4, and data, and displays the content on the screen of a display 27. The contents of a display are the contents which can be displayed by the browser transmitted from an information management pin center, large, and the content is for example, the vender's Q advertisement which the vender (service provision contractor) set up. When CPU21 disseminates information to the information management pin center, large 4 and sends Customer's P attribute information, I have contents peculiar to a customer transmitted from the predetermined vender Q, and the customer P in whom Customer P receives the various services on the Internet through the Internet N3 can receive the various services on the Internet through the Internet N3.

[0029] In the predetermined field of ROM22, the ID number of a proper is stored in this consumer premises equipment 2, and it is supposed that rewriting is impossible. Using this consumer premises equipment 2, Customer P chooses as a consumer premises equipment 2 ID (or ID given to itself from the information management pin center, large 4) of a proper, and the attribute information about himself, and transmits to a base transceiver station 3 through the wireless network N1 with the advice which advanced into a base transceiver station 3 and the range which can be communicated. After checking automatic connection and advice of a connection inquiry with a base transceiver station 3 by the consumer premises equipment 2 side beforehand, it connects, and in order for Customer P to connect with a base transceiver station 2, setting out at the time of Customer P trespassing upon a base transceiver station 2 and the range which can be radiocommunicated can be chosen as it does not connect. When a communication link is started, the propriety which transmits ID, an attribute, etc. to a base transceiver station 3 can also be set up, and you may make it start connection automatically by setting this up beforehand.

[0030] It is prepared in Vender's Q retail store, and the base transceiver station 3 has the radio equipment 31 which radiocommunicates with a consumer premises equipment 2, the server 32 for venders, and the router 33. The server 32 for venders has RAM323 as activity area of ROM322 and CPU312 where the control program which CPU321 and CPU321 which control each part of a configuration according to a predetermined control program perform was stored, the communications department 324 for performing a consumer premises equipment 2, the information management center 4, and data communication, a keyboard 325, a display 326, and the hard disk storage 327 with which predetermined data and a predetermined processing program were stored. Various processing programs, such as data, such as each vender's Q original advertising information, and an information offer processing program for transmitting the predetermined information and the various predetermined

messages of goods to Customer P according to the demand from a consumer premises equipment 2, are stored in the hard disk store 327.

[0031] The server 32 for venders has the function to make it not transmit information to the information management pin center, large 4 depending on the conditions of the case where a base transceiver station 3 cannot communicate with the information management pin center, large 4, and the customer ID and attribute information which a consumer premises equipment 2 transmits, and to transmit the information which a base transceiver station 3 manages to a consumer premises equipment 2. Here, the vender Q who provides Customer P with service uses a network N2 while owning a base transceiver station 3. A base transceiver station 3 transmits what added the information about a base transceiver station 3 in the information management pin center, large 4 through a network N2 to the information received from the consumer premises equipment 2. Moreover, if conditions are ready when Vender Q pays the employment costs concerning the base transceiver station 3 of the self in a base transceiver station 3, a network N2, and the information management pin center, large 4, Customer P will become possible [accessing the Internet for nothing]. The information management center 4 For example, the customer management server 41 which is prepared in information management pin center, larges, such as an Internet Service Provider, and manages customer information and vender information (communications control means), The connection processing server 42 for connecting a consumer premises equipment 2 to the Internet N3 (Internet connectivity means), It has the accounting server (connection-fees calculation means) 43 which computes the connection fees to the Internet N3 of a consumer premises equipment 2, and the communications-executive server (communications-executive means) 44 which supervises the communication link amount of data between a consumer premises equipment 2 and the connection processing server 42 and a router 45.

[0032] The customer management server 41 has RAM413 as activity area of ROM412 and CPU411 in which the control program which CPU411 and CPU411 which control each part of a configuration according to a predetermined control program perform was stored, the communications department 414 for performing data communication, a keyboard 415, a display 416, and the hard disk storage 417 with which predetermined data and a predetermined processing program were stored. Vender information, customer information (refer to drawing 22 and drawing 23), and various processing programs are stored in the hard disk storage 417. A hard disk store 417 holds customer ID and the attribute information generated when Customer P took the necessary procedure for this service utilization, unites the member point balance given to Customer P as a privilege in the purchasing hysteresis of the goods which the utilization situation of this service whenever it uses this service after that, and the contractor who offers service treat, and that case, and holds it as Customer's P attribute information. Vender Q set up beforehand the content of the service offered for every customer ID and attribute information transmitted from the consumer premises equipment 2 of the customer P who connects from a base transceiver station 3, and attribute information on the base transceiver station 3 which is transmitted in addition to this, and holds it, and every [ which this connects ] customer P is provided with the content of service doubled with conditions. The Internet is accessed by the network device, and this information processor can transmit now and receive the information acquired from here according to a demand of Customer P.

[0033] The connection processing server 42 is the same configuration as the customer management server 41, and has CPU421, ROM422 and RAM423, the communications department 424, a keyboard 425, a display 426, and the hard disk storage 427. The accounting server 43 is the same configuration as the customer management server 41, and has CPU431, ROM432 and RAM433, the communications department 434, a keyboard 435, a display 436, and the hard disk storage 437. The accounting server 43 computes the connection fees to the Internet N3 based on the communication link amount of data at the time of accessing the Internet N3, and asks for a part for a part for the vender burden of these connection fees, and a customer burden. The accounting server 43 is computed based on purchase information including purchase hysteresis [ in / for a part for a customer burden / Customer's P vender Q ]. In addition, the accounting server 43 calculates the total amount of the traffic concerning the communication link between a base transceiver station 3 and the information management center 4 as a

paid part of the vender Q who owns a base transceiver station 3. The communications-executive server 44 is the same configuration as the customer management server 41, and has CPU441, ROM442 and RAM443, the communications department 444, a keyboard 445, a display 446, and the hard disk storage 447.

[0034] The information management pin center, large 4 judges the processing to the information transmitted from the base transceiver station 3 according to the conditions which the contractor who offers service demanded from the information management pin center, large 4 beforehand. When setting out of the conditions demanded is setting out which offers the information which Vender Q desires, if it is to be said that the information beforehand held in the information management pin center, large 4 and setting out may access the Internet, the information on the Internet will be transmitted and received according to a demand of Customer P.

[0035] Next, with reference to drawing 8 thru/or drawing 20, the correspondence procedure using communication system 1 is explained. First, it states focusing on actuation of a consumer premises equipment 2, and the whole flow is outlined. Customer P performs a connection request, when receiving the vender Q information from a base transceiver station 3 and you wish to connect by the consumer premises equipment 2 (step ST 10 (drawing 8)). Next, connection condition decision processing between a consumer premises equipment 2 and a base transceiver station 3 is performed (step ST 11). If it is judged at a step ST 12 that it is connectable, communication link establishment processing between a consumer premises equipment 2 and a base transceiver station 3 will be performed (step ST 13). A base transceiver station 3 generates the information which transmits the received customer information to Customer P on that spot to disseminate specific information to origin to the specific customer P by Vender's Q intention, and has the function to transmit here. Next, when Customer P wishes connection of the information management pin center, large 4 at a step ST 14, it moves to the connection condition decision processing between a consumer premises equipment 2 and the customer management server 41 of the information management pin center, large 4 (step ST 15). When connection of the information management pin center, large 4 is not wished at a step ST 14, it progresses to a step ST 16 and a communication link is continued, it returns to a step ST 13.

[0036] If it is judged that it is connectable as a result of performing connection condition decision processing at a step ST 15 (step ST 17), communication link establishment processing between a consumer premises equipment 2 and the customer management server 41 will be performed at a step ST 18. Here, the customer management server 41 generates the information which Vender Q transmits to Customer P according to setting out beforehand required of the information management pin center, large 4, and transmits through a network N2, a base transceiver station 3, and the radiocommunication network N1. When a customer wishes connection with the Internet N3 of a consumer premises equipment 2 at a step ST 19, connection condition decision processing between a consumer premises equipment 2 and the connection processing server 42 of the information management pin center, large 4 is performed (step ST 20). Here, the connection processing server 42 generates the connection environment to the homepage of the Internet which Customer P can connect according to setting out which Vender Q demanded of the information management center 4 beforehand etc. When connection with the Internet N3 is not wished at a step ST 19, it progresses to a step ST 21 and a communication link is continued, it returns to a step ST 18. If it is judged that it is connectable as a result of performing connection condition decision processing at a step ST 20 (step ST 22), communication link establishment processing between a consumer premises equipment 2 and the connection processing server 42 will be performed at a step ST 23.

[0037] While Customer P is doing transmission and reception of the information management center 4 and information in the information management pin center, large 4, For example, the member point with which Customer P was generated from the purchasing hysteresis of the goods which Vender Q sells etc., The connection conditions according to the connection fees of the Internet access service paid by addition to the information management center 4, For example, the customer management server 41 manages and supervises the amount of transmitted and received datas, network connection time amount, etc. in the conditions and environment which Vender Q set up beforehand, when it becomes impossible

to connect the condition, the information about the conditions that and for continuing connection further is generated, and it transmits to a consumer premises equipment 2. Customer P judges the right or wrong of acceptance of the condition displayed on the consumer premises equipment 2, chooses the content by the consumer premises equipment 2, and transmits. The customer management server 41 of the information management center 4 offers the connection environment to a network again, after Customer P checks having consented to conditions correctly. Next, it returns to a step ST 18 to continue a communication link at a step ST 24.

[0038] Next, the procedure of the connection request processing (step ST 10) mentioned above is explained in full detail. First, a base transceiver station 3 transmits service information at a step ST 37 (drawing 9). When Vender Q is a convenience store, the service information in this case The member point high to introduction of recommendation goods, ticket reservation, and convenience store utilization of Customer P, If it is the information about the privilege according to it etc. and Vender Q is a gas station, introduction of campaign service, When the car computer is connected with the display of the point balance, and car navigation and the content of the car diagnostic result and maintenance of a dealer are required, they are introduction of an adjoining automobile maintenance store, a questionnaire to Customer P, etc. Vender Q has set up such service information to the information management center 4 beforehand. For example, if it is made setting out of opening the Internet, Customer P can use the Internet freely there. And when Customer P visits within limits with a base transceiver station 3 and a communication link possible in which, this vender Q information is received (step ST 30) and Customer P wishes connection with a base transceiver station 3, it is (step ST31) and a step ST 32, and it judges whether customer information is added. That is, based on the received service information, customer information, such as its customer's P ID, attribute, etc., is released to which range to Vender Q, and it judges whether it transmits.

[0039] When not adding after adding customer information predetermined at a step ST 34, when adding, it progresses to a step ST 33 as it is, and a connection-request signal is transmitted to a base transceiver station 3. In addition, the conditions in the case of adding customer information beforehand are set up, and you may make it transmit automatically by the consumer premises equipment 2 side. Here, it can also set up so that the communication link with a base transceiver station 3 may be refused. If a base transceiver station 3 receives this connection-request signal and judges it as those with a response (step ST 38), a reply signal will be transmitted to a consumer premises equipment 2 (step ST 39), and it will move to connection condition decision processing (step ST 40). A consumer premises equipment 2 is \*\*\*\* to a step ST 33, when moving to connection condition decision processing (step ST 11) and not receiving a reply signal, if this reply signal is received at a step ST 35.

[0040] Next, the procedure of connection condition decision processing (step ST 11) is explained in full detail. First, at a step ST 50, a consumer premises equipment 2 receives connection condition information from a base transceiver station 3, if it means that this content can connect unconditionally (step ST 51), it will progress to a step ST 13 and communication link establishment processing will be performed. Moreover, if it means that it is conditionally possible (step ST 53), it progresses to a step ST 54, and when it is a content [ not being connectable ], it shall end now. It judges whether it answers to the given conditions, and at a step ST 54, when not answering, it progresses to a step ST 55, and it ends, after performing advice of communication link termination. When answering, it is a step ST 56, and the content of a reply is created, and it transmits to a base transceiver station 3, and returns to a step ST 50. On the other hand, in a base transceiver station 3, Customer P is first attested based on the customer information received from the consumer premises equipment 2 (step ST 57). Consequently, when it is judged that connection is permissible at a step ST 58, it is a step ST 59, the conditions of connection are created, transmit data is generated (step ST 60), and it transmits to a consumer premises equipment 2 (step ST 61). Then, communication link establishment processing is performed (step ST 62). When it is judged that connection is nonpermissible the way things stand with a step ST 58, it is a step ST 63, and when it is judged that it judges whether conditions are asked to a consumer premises equipment 2 (step ST 63), and is less than an inquiry, the advice signal of disapproval is created (step ST 64), and it transmits (step ST 65). Moreover, when it is judged that an inquiry should be tried at a step ST 63, at a

step ST 66, the content of a condition is created and it transmits (step ST 67). After transmission, when there is a reply, it returns to (step ST68) and a step ST 57.

[0041] Next, the procedure of communication link establishment processing (step ST 13) is described. the case where it is judged in a consumer premises equipment 2 that the predetermined time communication link is not performed after the communication link was started (step ST 70) -- (step ST71) -- it is made to end moreover, the case where it is judged by leaving in the middle of the long duration of the customer P who is an operator etc. that the predetermined time communication link is not performed after the communication link was started similarly in the base transceiver station 3 (step ST 72) -- (step ST73) -- it is made to end In addition, when Customer P wishes modification of connection conditions at a step ST 72, connection condition modification processing is performed. First, conditional statement is created (step ST 140 ( drawing 16 )), and it transmits to a consumer premises equipment 2 (step ST 141). When there is a reply, (step ST 142) connection condition decision processing is performed again (step ST 143). Then, if a consumer premises equipment 2 performs advice of communication link termination and a base transceiver station 3 receives the advice signal of communication link termination (step ST 160 ( drawing 18 (a))), all processes with a consumer premises equipment 2 will be terminated (step ST 161). Moreover, when it supervises whether the physical communication link situation is continuing the base transceiver station 3 (step ST 162 ( drawing 18 (b))) and a predetermined time communication link is not performed, all processes with a consumer premises equipment 2 are terminated (step ST 163).

[0042] Next, the procedure of connection condition decision processing (step ST 15) is explained in full detail. First, at a step ST 80 ( drawing 12 ), a consumer premises equipment 2 receives connection condition information from the customer management server 41, if it means that this content can connect unconditionally (step ST 82), it will progress to a step ST 18 and communication link establishment processing will be performed. Moreover, if it means that it is conditionally possible (step ST 83), it progresses to a step ST 85, and when it is a content [ not being connectable ], it shall end. At a step ST 85, it judges whether it answers to the given conditions, and when not answering, it ends, after progressing to a step ST 87 and performing advice of communication link termination. When answering, it is a step ST 86, and the content of a reply is created, and it transmits to the customer management server 41, and returns to a step ST 80.

[0043] On the other hand, in the customer management server 41, if there is a connection request (step ST 88), based on customer information and vender information, authentication of Customer P and Vender Q will be performed (step ST 89). Consequently, when it is judged that connection is permissible at a step ST 90, it is a step ST 91 and judges whether the communication link amount of data between a consumer premises equipment 2 and the customer management server 41 is supervised. When carrying out an amount-of-data monitor, communication link amount-of-data monitor processing is performed at a step ST 92, when not supervising, as it is, it progresses to a step ST 93 and communication link establishment processing is performed. When it is judged that connection is nonpermissible the way things stand with a step ST 90, it is a step ST 94, and when it is judged that it judges whether conditions are asked to a consumer premises equipment 2, and is less than an inquiry, the advice signal of disapproval is created (step ST 95), and it transmits (step ST 96). Moreover, when it is judged that an inquiry should be tried at a step ST 94, at a step ST 97, the content of a condition is created and it transmits (step ST 98). After transmission, when there is a reply (step ST 99), it returns to a step ST 88. In addition, if a connection request is made from a consumer premises equipment 2 at a step ST 80, information attached processing will be made in a base transceiver station 3. Namely, if there is a request of connection with the information management center 4 from a consumer premises equipment 2 (step ST 150 ( drawing 17 )), a base transceiver station 3 will double customer information and vender information (step ST 151), and will transmit them to the customer management server 41 (step ST 152). Moreover, after connection between a consumer premises equipment 2 and the customer management server 41 is made (step ST 153), information management center information is edited (step ST 154), and it transmits to a consumer premises equipment 2 (step ST 155).

[0044] Here, the communication link amount-of-data monitor processing in a step ST 92 is described.



First, when a connection monitor is started in a step ST 170 ( drawing 19 ) and the communication link is made (step ST 171), the communications-executive server 44 adds the communication link amount of data (step ST 172), is a step ST 173, and judges whether the communication link amount of data by the present is below the upper limit of the amount of communication link authorizations. When it is below an upper limit and return and an upper limit are exceeded to a step ST 171, it is a step ST 174 and judges whether the status of a consumer premises equipment 2 shows the communication link establishment processing state. When it was a communication link establishment processing state, it changed into the connection condition decision processing state (behind (step ST 175), when it is not a communication link establishment processing state again, it ends as it is.).

[0045] Next, the procedure of communication link establishment processing (step ST 18) is described. When it is judged that the predetermined time communication link is not performed, it is made to end in a consumer premises equipment 2, after a communication link is started (step ST 100 ( drawing 13 )) (step ST 101). moreover, the case where the customer management server 41 is similarly judged that the predetermined time communication link is not performed after the communication link was started (step ST 102) -- (step ST103) -- it is made to end Next, the procedure of connection condition decision processing (step ST 20) is explained in full detail. First, at a step ST 110 ( drawing 14 ), a consumer premises equipment 2 receives connection condition information from the connection processing sir bus 42, if it means that this content can connect unconditionally (step ST 111), it will progress to a step ST 23 and communication link establishment processing will be performed. Moreover, if it means that it is conditionally possible (step ST 112), it progresses to a step ST 114, and when it is a content [ not being connectable ], it shall end now. At a step ST 114, it judges whether it answers to the given conditions, and when not answering, it ends, after progressing to a step ST 116 and performing advice of communication link termination. When answering, it is a step ST 115, and the content of a reply is created, and it transmits to the connection processing sir bus 42, and returns to a step ST 110.

[0046] On the other hand, in the connection processing sir bus 42, first, if there is a connection request (step ST 117), based on customer information and vender information, authentication of Customer P and Vender Q will be performed (step ST 118). Consequently, when it is judged that connection is permissible at a step ST 119, it is a step ST 120 and judges whether the communication link amount of data between a consumer premises equipment 2 and the connection processing server 42 is supervised. When carrying out an amount-of-data monitor, communication link amount-of-data monitor processing is performed at a step ST 121, when not supervising, as it is, it progresses to a step ST 122 and communication link establishment processing is performed. When it is judged that connection is nonpermissible the way things stand with a step ST 119, it is a step ST 123, and when it is judged that it judges whether conditions are asked to a consumer premises equipment 2, and is less than an inquiry, the advice signal of disapproval is created (step ST 124), and it transmits (step ST 125). Moreover, when it is judged that an inquiry should be tried at a step ST 123, at a step ST 126, the content of a condition is created and it transmits (step ST 127). After transmission, when there is a reply (step ST 128), it returns to a step ST 117.

[0047] Here, the communication link amount-of-data monitor processing in a step ST 121 is described. First, when a connection monitor is started in a step ST 180 ( drawing 20 ) and the communication link is made (step ST 181), the communications-executive server 44 adds the communication link amount of data (step ST 182), is a step ST 183, and judges till the present whether the communication link amount of data is below the upper limit of the amount of communication link authorizations. When it is below an upper limit and return and an upper limit are exceeded to a step ST 181, it is a step ST 184 and judges whether the status of a consumer premises equipment 2 shows the communication link establishment processing state. When it was a communication link establishment processing state, it changed into the connection condition decision processing state (the back (step ST 185), when it is not a communication link establishment processing state, it ends as it is.).

[0048] For example, although 1MB of data transmission and reception can be performed if a 1000 yen-buying object is carried out at a certain convenience store Supposing it is setting out that it is necessary to see the advertisement of the 500 yen lunch which a convenience store recommends first By

Customer's P purchasing 1000 yen goods at this convenience store, and accessing the Internet in the field in which radiocommunication near a convenience store is possible. For example, mail addressed to itself is receivable for free, after searching the book still more needed on the Internet, it can purchase, and I can have you send to the hotel where he stays. When the amount of transmission and reception of data is 1MB even here, 500 yen lunch is purchased again at this convenience store, and radiocommunication is started again. Gratitude which had the goods of recommendation purchased is indicated from a store. Customer P was able to say after that that he answered addressing to a transmitting person of the mail with which the point received 500KB of mail with a photograph. [0049] Next, the procedure of communication link establishment processing (step ST 23) is described. When it is judged that the predetermined time communication link is not performed, it is made to end in a consumer premises equipment 2, after a communication link is started (step ST 130 (drawing 15)) (step ST 131). Moreover, when it is judged that the predetermined time communication link is not performed, it is made to end, after a communication link is similarly started by connection processing in bus 42 (step ST 132) (step ST 133).

[0050] thus -- even if Customer P is outside a metaphor house according to the configuration of this example -- no charge -- or by the ability receiving an Internet access service cheaply and easily, Vender Q can promote Customer's P attractiveness to consumers while being able to increase an opportunity to supply the advertisement of own goods to Customer P, and customer information can be acquired. That is, by Vender's Q arranging a base transceiver station in a specific location for the purpose of the supply and the improvement in service of advertising information to Customer P, and communicating between a base transceiver station and the consumer premises equipment which a customer possesses and which can be radiocommunicated, the environment connected to the Internet to Customer P for nothing can be offered, and Customer's P enclosure and buildup of a sale opportunity can be achieved. Moreover, utilization of the Internet becomes more active and development of the information industry by activation of the Internet commercial scene is expected by the free connection service of the Internet. moreover -- for example, goods (service) suitable to the taste of the customer of pair Perilla frutescens (L.) Britton var. crispa (Thunb.) Decne. to the customer who visits Vender's Q store etc. when the vender Q who offers service uses the information management center managed by ISP -- providing -- being easy -- the increase in efficiency of a sale can be attained. Moreover, since the communications-executive server 44 gives advice of the purport that it is continuable under predetermined conditions, such as performing additional purchase, for example, to a consumer premises equipment 2 while connection with the Internet N3 is ended after predetermined time, [while Customer P can continue and enjoy an Internet access service, Vender Q can promote a sale of goods.]

[0051] < An explanatory view for 2nd example drawing 24 to explain the Internet connectivity structure of a system which is the 2nd example of this invention, and drawing 25 are the flow charts for explaining how to offer the environment linked to the Internet which used this Internet connectivity system. A different place from the 1st example which this example mentioned above is the point that venders other than the vender who employs a base transceiver station perform advertising information supply to a customer. Since the configurations of those other than this are the 1st example and abbreviation identitas, the explanation is given simple.

[0052] Internet connectivity system 1A of this example. For example, base transceiver station station 3A installed in the gas station store S1 of the store of the contractor who sells consumer premises equipment 2A which the customer R who took the automobile owns, and the gasoline connected with consumer premises equipment 2A through the radiocommunication network N1. It connects with base transceiver station 3A through a network N2. Information management pin center, large 4A connectable with the Internet N3, The Internet N3 is minded. It has vender terminal 3C installed in the family restaurant store S3 of the store which the contractor who performs vender terminal 3B and the family restaurant which were installed in the fast food restaurant S2 of the store of the contractor who sells a fast food connectable with information management pin center, large 4A manages.

[0053] Next, with reference to drawing 25, the correspondence procedure using communication system 1A is explained. It requests that the gas station store S1 performs invitation whether an advertisement is



carried into the advertisement transmitted to the customer R who visits his store to other contractors, a fast food restaurant S2, and the family restaurant store S3, through the Internet N3 to information management pin center, large 4A (step ST 201). Next, information management center 4A exhibits the content on the Internet N3 (step ST 202). Through the Internet N3, a fast food restaurant S2 and the family restaurant store S3 peruse the advertisement on the Internet N3, think that he wants to carry the advertisement of his store etc. into the information transmitted to consumer premises equipment 2A of the customer R who visits the gas station store S1, and are requested to information management center 4A through means, such as the Internet N3 and a telephone, (step ST 203). Under the present circumstances, setting out of the conditions which place an advertisement is also requested. For example, when the attribute of the customer R who has visited the gas station store S1 is the 30th generation male, it is the request of wanting you to place an advertisement. Moreover, the fast food restaurant S2 which is an advertising client presents the advertising content at this event. The ad rates concerning advertising printing change according to the content, and the gas station store S1 and information management center 4A discuss and determine them.

[0054] Information management center 4A will notify the content of a request, and conditions of contract to the gas station store S1 with means, such as the Internet N3, and a telephone, FAX, if a request is received (step ST 204) (step ST 205). When the content of a request and conditions of contract are accepted, information management pin center, large 4A receives it, changes promptly the content of the information transmitted to Customer R in the gas station store S1, and setting out, and transmits at the time of a customer visit (step ST 206). Information management center 4A manages next ad rates, and a fast food restaurant S2 is asked for them, and they perform payment processing to the gas station store S1 (step ST 207). Next, after an agreement is actually made between the gas station store S1 and a fast food restaurant S2, the actuation at the time of Customer R visiting the gas station store S1 is explained. First, Customer R visits the gas station store S1, and after forming a channel with information management center 4A, information is received from information management center 4A.

[0055] The advertisement of a fast food restaurant S2 is included in the content as an agreement, and Customer R peruses the content. As the example of the content of a display "I lengthen in the direction which looked at this advertisement the hamburger of 100 yen, and do to it. Please drop in at a fast food restaurant by all means. It is the content to which a visit of the fast food restaurant S2, such as ", is urged, and the customer R who sensed charm for it goes to a fast food restaurant S2 based on positional information, such as map information displayed together or LAT LONG. If Customer R visits a fast food restaurant S2, the fast food restaurant S2 will also be connected with information management center 4A in the network. Moreover, when the base transceiver station is possessed, coming to the store of Customer R is automatically recognized through this service at the time of customer coming to the store. It is the customer R to whom Customer R called at the gas station store S1, and notifies that he is the customer R of the object of 100 yen length to the information terminal with which information management center 4A is installed in a fast food restaurant S2. When the fast food restaurant S2 is not connected to the network, [Customer R enjoys the service of length of 100 yen by showing a fast food restaurant S2 the receipt received in the gas station store S1, and telling that to a store.]

[0056] According to the configuration of this example, the effectiveness of that the 1st example described and abbreviation identitas can be acquired. In addition, the vender who can promote a sale because the vender who does not own radio equipment also has other venders act for supply of advertising information, and contracts supply of advertising information can get an advertising rate.

[0057] As mentioned above, although the example of this invention has been explained in full detail with reference to a drawing, a concrete configuration is not restricted to this example, and even if there is modification of a design of the range which does not deviate from the summary of this invention etc., it is included in this invention. For example, you may constitute from an above-mentioned example so that information can be acquired also with means other than the contents as which a customer is displayed on a browser by the consumer premises equipment 2. For example, you may enable it to acquire information also with means other than the display of the information whose display is possible except a browser, voice, an oscillation, etc., etc. That is, when a consumer premises equipment 2 goes

into a base transceiver station 3 and the field which can be radiocommunicated, you may make it notify a customer of that by the sound or oscillation. Moreover, although the 2nd above-mentioned example described the case where venders other than the vender who employs a base transceiver station 3 performed advertising information supply to a customer, you may make it vender S4 and S5 not only to request advertising information supply, but request a sale like vender S4 to a vender S6 through the information management center 4 to be shown in drawing 26 [In this case, the requested vender S6 can also get a goods sales commission] Moreover, a request of an advertisement may be carried out because I have a vender's requested homepage stretch a link. Moreover, although the vender itself may perform creation of contents, the information management center 4 may be requested, for example.

[0058] Moreover, the communication line of a network N2 is good also as a wireless circuit. Moreover, two or more venders form a group and manage customer information in common within a group, and if the base transceiver station of the vender who constitutes a group is accessed, a customer may enable it to receive an Internet access service for nothing. Moreover, the memory to which the unique ID number was given and which is not rewritable may be carried independently, and you may make it connect this memory after consumer premises equipment purchase. In addition, a consumer premises equipment 2 can be used with a service limit, also when the memory to which the unique ID number was given and which is not rewritable cannot be carried. Moreover, a base transceiver station 3 may take out the data which once memorized data, such as music information received from the satellite, to the hard disk store 327 of the server 32 for venders, responded for asking from a consumer premises equipment 2, and were memorized, and it may constitute them so that it can transmit to a consumer premises equipment 2. Moreover, a peach is good as transmission of this data is performed for pay.

[0059]

[Effect of the Invention] as explained above, even if a customer is outside a metaphor house according to the configuration of this invention -- no charge -- or by the ability receiving an Internet access service cheaply and easily, a operating company can promote a customer's attractiveness to consumers while increasing an opportunity to supply the advertisement of own goods to a customer, and customer information can be acquired. That is, since a customer can use the Internet freely when a customer can access the Internet for free, the increment in need is expected by the various contents built on the Internet, and substantial service, and economy can be activated. Moreover, by what the operating company who offers service uses for the information management center which has an Internet connectivity means, a connection-fees calculation means, a communications control means, and a communications-executive means, for example, is managed by the Internet Service Provider (ISP), it becomes easy to provide with goods (service) suitable to the taste of the consumer of pair *Perilla frutescens* (L.) Britton var. *crispa* (Thunb.) Decne. the customer who visits a operating company's store etc., and the increase in efficiency of a sale can be attained.

[0060] Moreover, when two or more operating companies who offer service tie up mutually through the system concerned to a customer, it can touch also except the opportunity which can touch to a customer at the store where self manages an opportunity to touch a customer. That is, while being able to have other operating companies act for offer and a actual sale of advertising information, an acting operating company can get a predetermined commission income. Moreover, while a customer can continue and enjoy an Internet access service with a communications-executive means by giving advice of the purport that it is continuable under predetermined conditions, such as performing additional purchase, for example, to a consumer premises equipment before predetermined time rather than connection termination schedule time of day while connection with the Internet is ended after predetermined time, a operating company can promote a sale of goods.

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[Translation done.]

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